

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECLARATION, PETITION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD AND APPARATUS FOR DETERMINING SEARCH RANGE FOR  
ADAPTIVE MOTION VECTOR FOR USE IN VIDEO ENCODER**

the specification of which is ☐ attached hereto.

☒ was filed on October 11, 2005 as  
U.S. Patent Application No. 10/552,938 or  
PCT Application No. \_\_\_\_\_.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at **Lahive & Cockfield, LLP**, One Post Office Square, Boston, Massachusetts 02109-2127, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959

all of **Lahive & Cockfield, LLP**, One Post Office Square, Boston, Massachusetts 02109-2127, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power

of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from **SK TELECOM CO., LTD.** as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Please mail all correspondence to Kevin J. Canning at **Customer Number 00959**, whose address is:

**Lahive & Cockfield, LLP**  
One Post Office Square  
Boston, Massachusetts 02109-2127

Please direct telephone calls to: Kevin J. Canning at (617) 227-7400.

Please direct facsimiles to: (617) 742-4214

Full name of sole or first inventor <b>HWANG, Inseong</b>	
Sole or first inventor's signature <i>Inseong Hwang</i>	Date <i>Mar 24, 2008</i>
Residence <b>Inseong 10-807 Hyundai Apt., 1346, Seocho-dong, Seocho-gu, Seoul 137-070 (KR)</b>	
Citizenship <b>Republic of Korea</b>	
Mailing Address  <b>11 Euljiro 2-ga, jongro-gu, Seoul 100-999, Republic of Korea</b>	

Full name of second inventor, if any <b>KIM, Chulwoo</b>	
Second inventor's signature <i>Kim, Chulwoo</i>	Date <i>Mar 24, 2008</i>
Residence <b>5-908, Jangmi APT., 7 (5/3) Sincheon-dong, Songpa-gu, Seoul 138-240 (KR)</b>	
Citizenship <b>Republic of Korea</b>	
Mailing Address  <b>11 Euljiro 2-ga, jongro-gu, Seoul 100-999, Republic of Korea</b>	

Attorney Docket No.: _____ Hany, Mincheol	
Residence	210-1301, Hyundai-2cha Apt., Dohwa 2-dong, Mapo-gu, Seoul 121-773 (KR)
Citizenship	Republic of Korea
Mailing Address	11 Euljiro 2-ga, jongro-gu, Seoul 100-999, Republic of Korea

Full name of fourth inventor, if any	
Fourth inventor's signature	IN, Kyangseok March 24, 2008
Residence	101, 81-2 Jeongja-dong, Bundang-gu, Seongnam-si, Gyonggi-do 463-010 (KR)
Citizenship	Republic of Korea
Mailing Address	11 Euljiro 2-ga, jongro-gu, Seoul 100-999, Republic of Korea